Embedded Systems International

Lab Worksheet

Name:

Lab Partner Name (if you worked together and are submitting the same document or mostly the same answers):

Lab Section:

This lab worksheet is a final deliverable after a lab is completed, referred to as the postlab. A postlab will not be assigned for every lab. You have two deliverables for every lab, the prelab and demonstrations. The postlab is a third deliverable for some labs.

1) **Prelab assignment BEFORE LAB**: Posted with the lab manual, typically involves a system sketch, submitted in Canvas before the start of your lab section, may be worked on, reviewed and/or used by lab partners in class on Tuesday during lab planning
2) **Demonstrations IN LAB**: Demonstrated/discussed with a TA in lab (or later) and evaluated using a rubric in Canvas (functional demo of a lab milestone, debug demo using debugging tools to explain something about the internal workings of your system, Q&A demo showing ability to formulate and respond to questions)
3) **Postlab assignment AFTER LAB**: Submitted in Canvas after demonstrations, may be reviewed by lab partners in class, consists of three items (prelab planning notes, lab notes, and lab retrospective)

Deliverable #1 has its own Canvas assignment submission. (10 points)

Deliverable #2 has an evaluation rubric used as a checklist and scored by TAs in Canvas. (40 points)

Deliverable #3 has its own Canvas assignment submission. (30 points)

This worksheet will help you develop the items needed for deliverable #3.

A. PRELAB PLANNING NOTES

1. What are three questions you want to explore from your lab planning work?

2. What are several tasks you identified in your planning (for you and lab partner)?

B. LAB NOTES

During lab, keep notes about the following so that you can submit information with this deliverable.

1. Results related to up to three planning questions (might be answers, might be more questions, write brief summaries, don't include code files)
2. Any additions, refinements, or corrections to the prelab system sketch based on what you learned (include an updated sketch, or briefly describe at least one update you made)
3. Description of your debug demo (what did you demo and why, what did you find, a paragraph is fine, may want to include a screenshot)

C. LAB RETROSPECTIVE

Take 10-15 minutes and answer these questions as you think about your lab experience. You don't need to describe everything, try to pick something notable.

1. What did we set out to do?

2. What actually happened?

3. Why did it happen?

4. What are we going to do next time (to improve)?